

**Announcement of Session on  
“CO<sub>2</sub>-Corrosion in Industrial Applications”**

With the increase of awareness related to Carbon Capture (Utilization) and Storage (CC(U)S) technology and the worldwide introduction of this technique to many fields in order to minimize carbon dioxide emission to the atmosphere as well as the use of CO<sub>2</sub>-streams within other industrial applications, the safety of this technology is a widely discussed problem.

Regarding corrosion, CO<sub>2</sub> and its precipitations or other substances involved can interact with the materials used for compression/transportation/injection of emission gasses from various sources. Therefore, appropriate material selection and understanding the mechanisms are key factors in order to increase the safety and reliability of the CC(U)S technology as a basis of its realizability.

This session provides a platform to exchange and discuss findings regarding behavior of different materials in certain CO<sub>2</sub>-media along the whole CC(U)S-process chain considering process related circumstances and technical possibilities in Europe and worldwide. Open questions can be addressed, and possible solutions are shown.

**Chair:**

Ralph Bäßler, Chair WP24: CO<sub>2</sub>-Corrosion in Industrial Applications

Expected duration: 1 day

Expected audience: 80-100 attendees